

ABSTRACT OF THE DISCLOSURE

A technique for verifying fiber connectivity via an optical supervisory channel in a photonic network is disclosed. In one embodiment, the technique is realized by
5 sending a first message from the first node to the second node, wherein the first message includes an address of an intended port of the second node; receiving a second message at the first node from the second node in response to the first message, wherein the second message contains an address
10 of a receiving port of the second node; and comparing the intended port of the second node and the receiving port of the second node for verifying fiber connectivity between the first node and the second node.